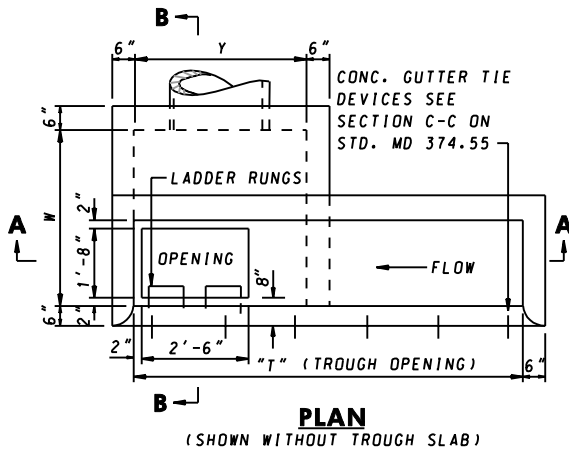
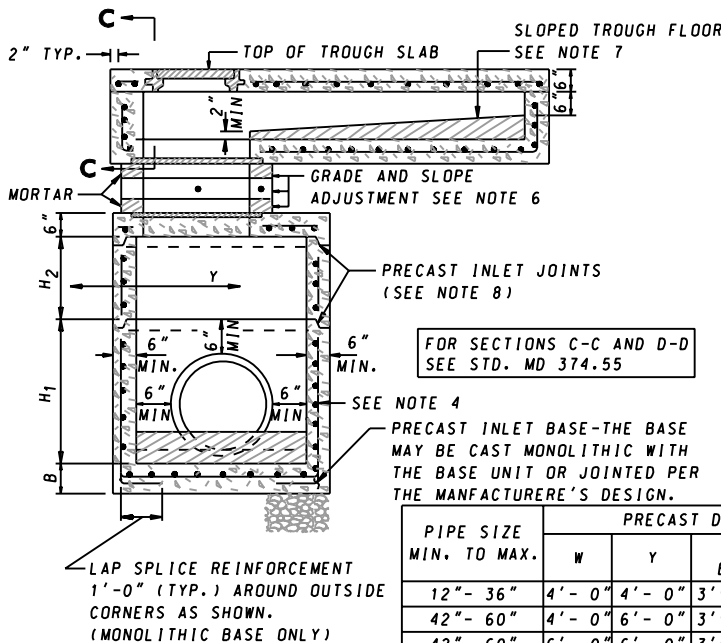


**PRECAST CONCRETE TROUGH SLAB**  
(6" THICK)

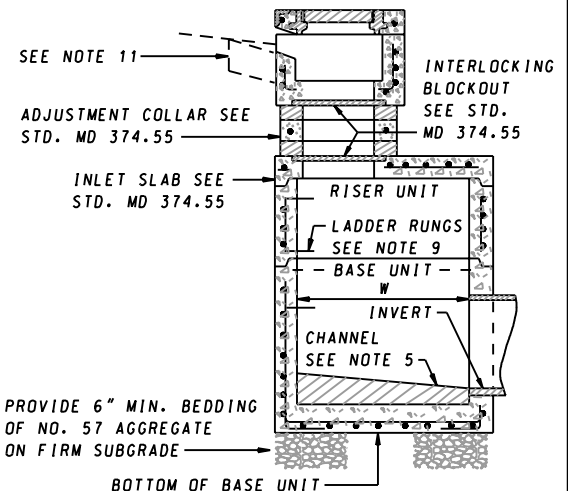


**PLAN**

(SHOWN WITHOUT TROUGH SLAB)



**SECTION A-A**  
(SHOWN AS PRECAST)



**SECTION B-B**  
(SHOWN AS PRECAST)

PIPE SIZE MIN. TO MAX.	PRECAST DIMENSIONS				
	W	Y	H <sub>1</sub> BASE	H <sub>2</sub> RISER	B
12"- 36"	4'- 0"	4'- 0"	3'to 10'	1'to 5'	6"
42"- 60"	4'- 0"	6'- 0"	3'to 10'	1'to 5'	6"
42"- 60"	6'- 0"	6'- 0"	3'to 10'	1'to 5'	6"
72"- 84"	6'- 0"	8'- 0"	3'to 10'	1'to 5'	8"
90"- 108"	6'- 0"	10'- 0"	3'to 10'	1'to 5'	8"
90"- 108"	6'- 0"	12'- 0"	3'to 10'	1'to 5'	8"

INLET TYPE	T	L
COG - 5	5'- 0"	6'- 0"
COG - 10	10'- 0"	11'- 0"
COG - 15	15'- 0"	16'- 0"
COG - 20	20'- 0"	21'- 0"

## NOTES

1. THIS STANDARD TO BE USED WITH TYPE A COMBINATION CURB AND GUTTER ONLY..
2. CURB OPENINGS SHALL NOT ENCRDACH ON CROSSWALK AREAS.
3. CONCRETE SHALL BE MIX NO.6 (4500 PSI) FOR PRECAST UNITS AND MIX NO.3 (3500 PSI) FOR STRUCTURES CAST IN PLACE.
4. INLET MAY BE PRECAST OR CAST IN PLACE. REINFORCEMENT SHALL BE NO.4 BARS PLACED IN THE CENTER OF INLET WALLS AT 6" C/C 2 WAYS OR 2 LAYERS OF 4x4-W4.0xW4.0 WELDED WIRE FABRIC WITH 1 1/2" COVER.
5. A CONCRETE OR BRICK CHANNEL WHICH SLOPES AT LEAST 2 IN./FT TOWARD THE OUTLET SHALL BE PROVIDED IN THE FIELD.
6. GRADE AND SLOPE ADJUSTMENTS SHALL BE COMPLETED IN THE FIELD USING PRECAST ADJUSTMENT COLLAR AND MORTAR.
7. SLOPED TROUGH FLOOR TO BE CAST IN THE FIELD AND USED ONLY WHEN ROAD GRADE IS 1.5% OR LESS. WHEN SLOPED TROUGH FLOOR IS USED, ROUGHEN PRECAST TROUGH FLOOR.
8. PRECAST INLET JOINTS- THE MANUFACTURER SHALL FORM MALE AND FEMALE ENDS OF JOINTS USING THEIR OWN DESIGN. THE JOINTS SHALL BE SEALED BY THE CONTRACTOR AND MADE WATERTIGHT USING THE MANUFACTURER'S RECOMMENDED ASTM OR AASHTO APPROVED SEALANT.
9. LADDER RUNGS SHALL BE PLACED IN VERTICAL ALIGNMENT AT 1'-3" C/C. RUNG TYPE SHALL BE IN ACCORDANCE WITH STANDARDS MD 383.91 OR MD 383.92. RUNGS ARE INCIDENTAL TO THE COST OF THE INLET.
10. ANGLE IRON AND SHEAR STUD CONNECTORS SHALL BE GALVINIZED AFTER WELDING IN ACCORDANCE WITH ASTM A 123. SEE STD. MD 374.55 & MD 374.64.
11. SEE STANDARD MD 374.65 FOR DEPRESSED GUTTER PAN.
12. SEE STANDARD MD 374.64 FOR ALTERNATE PRECAST COG TROUGHS.
13. PAY MEASUREMENTS FOR CAST IN PLACE UNIT SHALL BE THE SAME AS THE PRECAST UNIT. REFER TO NOTE 14. ALL OTHER DIMENSIONS SHOWN FOR PRECAST SHALL APPLY TO CAST IN PLACE.
14. MINIMUM DEPTH PAYMENT PER EACH SHALL BE 6'-2" MEASURED FROM THE PIPE INVERT TO THE TOP OF THE TROUGH SLAB. VERTICAL DEPTH PAYMENT PER LINEAR FOOT SHALL INCLUDE ALL DEPTHS IN EXCESS OF 6'-2" INCLUDING ALL APPURTENANCES.
15. PRECAST BASE UNIT WALLS MAY TAPER PER MANUFACTURER'S DESIGN.

SPECIFICATION <b>305</b>	CATEGORY CODE ITEMS
APPROVED <i>Kirk G. McCall</i> DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT	
<b>SHA</b> State Highway Administration	APPROVAL • SHA REVISIONS APPROVAL 2-22-91 REVISED 10-1-01 REVISED REVISED
	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION APPROVAL 1-21-91 REVISED 8-16-91 REVISED REVISED

**Maryland Department of Transportation**  
**STATE HIGHWAY ADMINISTRATION**  
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES  
**PRECAST OR CAST IN PLACE**  
**SQUARE AND RECTANGULAR COG INLETS**  
**5', 10', 15' & 20'**

**STANDARD NO. MD 374.51**